

U.S. Application No. 09/746,054
Reply to Office Action of July 11, 2006

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IN THE CLAIMS

1. (Previously Presented) An information supply apparatus for providing to a user broadcasting contents summary information obtained by summarizing the broadcasting contents information, comprising:

user authentication means for receiving authentication information and authenticating the user of the broadcasting contents summary information;

summary playback information storage means for storing summary playback information representing summary contents of said broadcasting contents information,

said broadcasting contents information being processed into said summary playback information in one of two ways,

wherein, in a first way, said summary playback information is automatically extracted from said broadcasting contents information when said broadcasting contents information can be uniformly processed, wherein said first way extracts broadcasting contents information from a database and allocates the extracted broadcasting contents information by field using a template,

wherein, in a second way, said summary playback information is obtained by an operator by extracting an information identifier from said broadcasting contents information, and manually adding keywords when said broadcasting contents information cannot be uniformly processed, wherein a logical condition for deciding search conditions by a plurality of input keywords is selected, and

wherein said broadcasting contents information is processed to generate a child screen for each scene change of said broadcasting contents information;

U.S. Application No. 09/746,054
Reply to Office Action of July 11, 2006

PATENT
450100-02906

additional screen information storage means for storing additional screen information created in correspondence to said summary playback information;

summary playback information search means for extracting said specific summary playback information from said summary playback information storage means according to a transmitted specified condition information;

additional screen information extraction means for extracting said additional screen information corresponding to said summary playback information extracted by said summary playback information search means from said additional screen information storage means;

summary contents shortening means for compressing said summary playback information extracted by said summary playback information search means according to said specified condition information; and

summary playback distribution means for distributing said additional screen information extracted by said additional screen information storage means and said summary playback information shortened by said summary contents shortening means at a timing specified by said specified condition information.

2. (Original) The information supply apparatus of claim 1, wherein said summary playback information includes an identifier indicating the frame number of a frame composing said broadcasting contents summary information and the broadcasting time when the frame has been broadcasted.

U.S. Application No. 09/746,054
Reply to Office Action of July 11, 2006

PATENT
450100-02906

3. (Original) The information supply apparatus of claim 1, wherein said specified condition information includes a keyword specified by a user, a title ID specifying broadcasting unit, and selected information ID indicating summary contents selected by the user; and said summary playback information search means extracts said summary playback information according to said keyword, said title ID and said selected information ID included in said specified condition information.

4. (Original) The information supply apparatus of claim 3, wherein said summary playback distribution means distributes said keyword, said title ID and said selected information ID included in said specified condition information as well as said additional screen information and said summary playback information.

5. (Original) The information supply apparatus of claim 1, wherein said specified condition information includes information about viewable time specified by a user; and said summary contents shortening means shortens said summary playback information so that the summary of broadcasted contents to be created can be contained within said viewable time.

6. (Original) The information supply apparatus of claim 1, wherein said specified condition information includes a distribution method ID indicating a distribution method indicated by a user; and said summary playback distribution means distributes said summary playback information according to said distribution method ID.

U.S. Application No. 09/746,054
Reply to Office Action of July 11, 2006

PATENT
450100-02906

7. (Original) The information supply apparatus of claim 6, wherein said distribution method ID indicates a timing for distributing said additional screen information and said summary playback information selected from any of a time of transmission of said specified condition information, a daily predetermined time, and distributable time.

8. (Original) The information supply apparatus of claim 1, further comprising:
viewing results collection means for collecting viewing results information indicating that the summary of broadcasted contents has been reproduced, and client management means for creating viewing statistic information which is statistics of said viewing results information to manage the client.

9. (Original) The information supply apparatus of claim 8, further comprising:
accounting information transmission means for transmitting accounting information to a financial settlement institution.

10. (Original) The information supply apparatus of claim 8, further comprising:
advertisement information storage means for storing advertisement information to be supplied to a user; and advertisement selection means for extracting personal advertisement information selected for each user from said advertisement information storage means on the basis of the viewers statistic information; and wherein said summary playback distribution means distributes said personal advertisement information.

U.S. Application No. 09/746,054
Reply to Office Action of July 11, 2006

PATENT
450100-02906

11. (Original) The information supply apparatus of claim 10, wherein said advertisement information includes a communication address of electronic communication network connectable by using an electronic communication apparatus.

12. (Previously Presented) An information utilization apparatus for enabling a user to use broadcasting contents summary information obtained by summarizing the broadcasting contents information, comprising:

user authentication means for receiving authentication information and authenticating the user of the broadcasting contents summary information;

broadcasting contents information storage means for storing said broadcasting contents information;

specified condition input means for inputting specified condition information of said broadcasting contents information desired to be supplied;

specified condition information transmission means for transmitting said specified condition information;

summary related information reception means for receiving summary playback information representing the summary of said broadcasting contents information distributed according to said specified condition information and additional screen information corresponding to the summary playback information,

said broadcasting contents information being processed into said summary playback information in one of two ways,

wherein, in a first way, said summary playback information is automatically extracted from said broadcasting contents information when said broadcasting contents information can be

U.S. Application No. 09/746,054
Reply to Office Action of July 11, 2006

PATENT
450100-02906

uniformly processed, wherein said first way extracts broadcasting contents information from a database and allocates the extracted broadcasting contents information by field using a template, wherein, in a second way, said summary playback information is obtained by an operator by extracting an information identifier from said broadcasting contents information, and manually adding keywords when said broadcasting contents information cannot be uniformly processed, wherein a logical condition for deciding search conditions by a plurality of input keywords is selected, and

wherein said broadcasting contents information is processed to generate a child screen for each scene change of said broadcasting contents information;

additional screen display means for displaying the additional screen, using said additional screen information received by said summary related information reception means;

frame search means for extracting a frame composing said broadcasting contents information from said broadcasting contents information stored in said broadcasting contents information storage means, using said summary playback information received by said summary related information reception means; and

image playback means for reproducing said frame extracted by said frame search means.

13. (Original) The information utilization apparatus of claim 12, wherein said summary playback information includes an identifier indicating the frame number of a frame composing said broadcasting contents summary information and the broadcasting time when the frame has been broadcasted.

U.S. Application No. 09/746,054
Reply to Office Action of July 11, 2006

PATENT
450100-02906

14. (Original) The information utilization apparatus of claim 12, wherein said specified condition information includes a keyword, a title ID specifying the broadcasting unit, a selected information ID indicating the summary contents, viewable time information and distribution method ID indicating the distribution method.

15. (Original) The information utilization apparatus of claim 14, wherein said distribution method ID indicates a timing for distributing said additional screen information and said summary playback information selected from any of a time of transmission said specified condition information, a daily predetermined time and a distributable time.

16. (Original) The information utilization apparatus of claim 12, wherein said summary related information reception means receives said keyword specifying said additional screen information and said summary playback information, said title and said selection information ID distributed with said additional screen information and said summary playback information; and further comprising:

summary related information certification means for authenticating received said additional screen information and said summary playback information, using said keyword, said title and said selection information ID received by said summary related information reception means.

17. (Original) The information utilization apparatus of claim 12, wherein said summary related information reception means receives supplied personal advertisement information.

U.S. Application No. 09/746,054
Reply to Office Action of July 11, 2006

PATENT
450100-02906

18. (Original) The information utilization apparatus of claim 17, wherein said personal advertisement information includes a communication address of electronic communication network connectable by using an electronic communication apparatus.

19. (Original) The information utilization apparatus of claim 12, further comprising: viewing results information return means for returning viewing results information indicating that said broadcasting contents summary information is reproduced by said image playback means to the supplier of said broadcasting contents summary information.

20. (Original) The information utilization apparatus claim 12, wherein said specified condition input means can input said specified condition information according to the display of said additional screen and gradually restricting the specified range.

21. (Previously Presented) An information manipulation apparatus for creating for a user summary playback information showing the summary contents of broadcasting contents information, comprising:

user authentication means for receiving authentication information and authenticating the user of the broadcasting contents summary information;

broadcasting contents information storage means for storing said broadcasting contents information classified by broadcasting contents; information processing server for storing template information for processing said broadcasting contents information;

material information accumulation server for extracting and dividing said broadcasting contents information stored in said broadcasting contents information storage means and said

U.S. Application No. 09/746,054
Reply to Office Action of July 11, 2006

PATENT
450100-02906

template information stored in said information processing server, said material information accumulation server operating to generate child screen of said broadcasting contents for each scene change of said broadcasting contents; and

information processing means for creating said summary playback information using said broadcasting contents information and said template information divided by said material information accumulation server,

said broadcasting contents information being processed into said summary playback information in one of two ways,

wherein, in a first way, said summary playback information is automatically extracted from said broadcasting contents information when said broadcasting contents information can be uniformly processed, wherein said first way extracts broadcasting contents information from a database and allocates the extracted broadcasting contents information by field using a template, and

wherein, in a second way, said summary playback information is obtained by an operator by extracting an information identifier from said broadcasting contents information, and manually adding keywords when said broadcasting contents information cannot be uniformly processed, wherein a logical condition for deciding search conditions by a plurality of input keywords is selected.

22. (Previously Presented) An information supply system for supplying to a user broadcasting contents summary information obtained by summarizing the broadcasting contents information, including:

U.S. Application No. 09/746,054
Reply to Office Action of July 11, 2006

PATENT
450100-02906

user authentication means for receiving authentication information and authenticating the user of the broadcasting contents summary information;

information supply apparatus comprising summary playback information storage means for storing summary playback information representing summary contents of said broadcasting contents information, additional screen information storage means for storing additional screen information created in correspondence to said summary playback information, summary playback information search means for extracting said specific summary playback information from said summary playback information storage means according to a transmitted specified condition information, additional screen information extraction means for extracting said additional screen information corresponding to said summary playback information extracted by said summary playback information search means from said additional screen information storage means, summary contents shortening means for compressing said summary playback information extracted by said summary playback information search means according to said specified condition information and summary playback distribution means for distributing said additional screen information extracted by said additional screen information storage means and said summary playback information shortened by said summary contents shortening means at a timing specified by said specified condition information,

said broadcasting contents information being processed into said summary playback information in one of two ways,

wherein, in a first way, said summary playback information is automatically extracted from said broadcasting contents information when said broadcasting contents information can be uniformly processed, wherein said first way extracts broadcasting contents information from a database and allocates the extracted broadcasting contents information by field using a template,

U.S. Application No. 09/746,054
Reply to Office Action of July 11, 2006

PATENT
450100-02906

wherein, in a second way, said summary playback information is obtained by an operator by extracting an information identifier from said broadcasting contents information, and manually adding keywords when said broadcasting contents information cannot be uniformly processed, wherein a logical condition for deciding search conditions by a plurality of input keywords is selected, and

wherein said broadcasting contents information is processed to generate a child screen for each scene change of said broadcasting contents information; and

information utilization apparatus, comprising broadcasting contents information storage means for storing said broadcasting contents information,

specified condition input means for inputting specified condition information of said broadcasting contents information desired to be supplied, specified condition information transmission means for transmitting said specified condition information, summary related information reception means for receiving summary playback information representing the summary of said broadcasting contents information distributed according to said specified condition information, additional screen display means for displaying the additional screen, using said additional screen information received by said summary related information reception means, frame search means for extracting a frame composing said broadcasting contents information from said broadcasting contents information stored in said broadcasting contents information storage means, using said summary playback information received by said summary related information reception means, image playback means for reproducing said frame extracted by said frame search means.

U.S. Application No. 09/746,054
Reply to Office Action of July 11, 2006

PATENT
450100-02906

23. (Original) The information supply system of claim 22, wherein said information utilization apparatus further comprises viewing results information return means for returning the viewing results information indicating that said broadcasting contents summary information is reproduced by said image playback means, and said information supply apparatus further comprises an viewing results collection means for collecting said viewing results information and a client management means for creating viewing statistic information which is statistics of said viewing results information to manage the client.

24. (Original) The information supply system of claim 22, further comprising an information manipulation apparatus including broadcasting contents information storage means for storing said broadcasting contents information classified by broadcasting contents, a information processing server for storing template information for processing said broadcasting contents information, a material information accumulation server for extracting and dividing said broadcasting contents information stored in said broadcasting contents information storage means and said template information stored in said information processing server, and information processing means for creating said summary playback information using said broadcasting contents information and said template information divided by said material information accumulation server.

25. (Previously Presented) An information supply method for supplying to a user broadcasting contents summary information obtained by summarizing the broadcasting contents information, comprising the steps of:

U.S. Application No. 09/746,054
Reply to Office Action of July 11, 2006

PATENT
450100-02906

receiving authentication information and authenticating the user of the broadcasting contents summary information;

storing summary playback information storage means representing summary contents of said broadcasting contents information,

said broadcasting contents information being processed into said summary playback information in one of two ways,

wherein, in a first way, said summary playback information is automatically extracted from said broadcasting contents information when said broadcasting contents information can be uniformly processed, wherein said first way extracts broadcasting contents information from a database and allocates the extracted broadcasting contents information by field using a template,

wherein, in a second way, said summary playback information is obtained by an operator by extracting an information identifier from said broadcasting contents information, and manually adding keywords when said broadcasting contents information cannot be uniformly processed, wherein a logical condition for deciding search conditions by a plurality of input keywords is selected, and

wherein said broadcasting contents information is processed to generate a child screen for each scene change of said broadcasting contents information;

storing additional screen information created in correspondence to said summary playback information; extracting specific summary playback information according to a transmitted specified condition information;

extracting said additional screen information corresponding to said extracted summary playback information;

U.S. Application No. 09/746,054
Reply to Office Action of July 11, 2006

PATENT
450100-02906

shortening said extracted summary playback information according to said specified condition information; and

distributing said extracted additional screen information and said shortened summary playback information at a timing specified by said specified condition information.

26. (Previously Presented) An information utilization method for enabling a user to use broadcasting contents summary information obtained by summarizing the broadcasting contents information, comprising steps of:

receiving authentication information and authenticating the user of the broadcasting contents summary information;

storing said broadcasting contents information;

inputting said specified condition information of said broadcasting contents information desired to be supplied;

transmitting said specified condition information;

receiving said summary playback information and said additional screen information distributed,

said broadcasting contents information being processed into said summary playback information in one of two ways,

wherein, in a first way, said summary playback information is automatically extracted from said broadcasting contents information when said broadcasting contents information can be uniformly processed, wherein said first way extracts broadcasting contents information from a database and allocates the extracted broadcasting contents information by field using a template,

U.S. Application No. 09/746,054
Reply to Office Action of July 11, 2006

PATENT
450100-02906

wherein, in a second way, said summary playback information is obtained by an operator by extracting an information identifier from said broadcasting contents information, and manually adding keywords when said broadcasting contents information cannot be uniformly processed, wherein a logical condition for deciding search conditions by a plurality of input keywords is selected, and

wherein said broadcasting contents information is processed to generate a child screen for each scene change of said broadcasting contents information;

displaying the additional screen, using received said additional screen information;

extracting a frame composing said broadcasting contents information, from said broadcasting contents information stored, using received said summary playback information; and

reproducing said extracted frame.

27. (Original) The information utilization method of claim 26, wherein

said specified condition information is input and transmitted, and said summary playback information and said additional screen information are received according to the display of said additional screen while gradually restricting a specified range.

28-29. (Canceled)